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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER	
PWU, JEFFREY C	

ART UNIT	PAPER NUMBER
2143	

DATE MAILED: 06/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/930,185	PULKKINEN, JARMO	
	Examiner	Art Unit	
	Jeffrey C. Pwu	2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) 1-23 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) 1-23 is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-23 are rejected under 35 U.S.C. 102(b) as being anticipated by Sakano et al. (U.S. 5,513,343).

3. Sakano et al. teach claims:

1. A method of data transmission to a network management system, comprising the steps of: providing a response (method steps of figs.7A-7G) to be transmitted to the network management system with at least one pointer indicating the location where to find additional information; and transmitting the response to the network management system (2A, 2B, 2C, 2D, 5A, 5B, 6, 7A, 7B, 8A, 8B, 9, 10, 4, 7A, 8C; fig.1).

2. The method of claim 1, further comprising the steps of: receiving the response in the network management system; and transmitting the information on a pointer to a network management system user (abstract).

3. The method of claim 2, further comprising the steps of: receiving a request for additional information in the network management system (8C); and opening the additional information in the location indicated by the pointer (Object 2A-2D).

4. The method of claim 1, further comprising the steps of: performing a function relating to network management in a network element (3); and storing the information

concerning the function as additional information in a predetermined location in a predetermined form (51).

5. The method of claim 1, further comprising the steps of: performing a function relating to network management in a network element (3); and storing the information concerning the function as additional information in the location determined by the network management system (1,3,4; fig.1)

6. The method of claim 1, wherein the response is an alarm transmitted to the network management system (title).

7. The method of claim 1, wherein the pointer is an Internet address or the like, which identifies both the location and the necessary protocol (claims 1-6).

8. A method of data transmission to a network management system, comprising the steps of:

providing a response to be transmitted to the network management system with at least one pointer indicating the location where to find additional information, the pointer being an Internet address or the like, which identifies both the location and the necessary protocol; and

transmitting the response to the network management system (method steps S1-S4, particularly 7, "Hash Key", "Failure Object Code", "Failure Content Code", "Failure Object Id", "Alarm Code"; also see claims 1-6).

9. A method of data transmission to a network management system, comprising the steps of:

providing an alarm to be transmitted to the network management system with at least one pointer indicating the location where to find additional information, the pointer being an Internet address or the like, which identifies both the location and the necessary protocol; and transmitting the alarm to the network management system (figs. 7A-7G).

10. A method of data transmission to a network management system, comprising the steps of:
performing a function relating to network management in a network element (4);
storing the information concerning the function as additional information in a predetermined location in a predetermined form; providing a response to be transmitted to the network management system with at least one pointer indicating the location where to find the additional information, the pointer being an Internet address or the like, which identifies both the location and the necessary protocol; transmitting the response to the network management system; receiving a request for the additional information in the network management system; and opening the additional information in the location indicated by the pointer (2A, 2B, 2C, 2D, 5A, 5B, 6, 7A, 7B, 8A, 8B, 9, 10, 4, 7A, 8C; fig.1).

11. A method of data transmission to a network management system, comprising the steps of:
performing a function relating to network management in a network element; storing the information concerning the function as additional information in a predetermined location in a predetermined form; providing a response to be transmitted to the network management system with at least one pointer indicating the location where to find the additional information; transmitting the response to the network management system; receiving a request for the additional information in the network management system; and opening the additional information in the location indicated by the pointer (2A, 2B, 2C, 2D, 5A, 5B, 6, 7A, 7B, 8A, 8B, 9, 10, 4, 7A, 8C; fig.1).

12. A method of data transmission to a network management system, comprising the steps of: performing a function relating to network management in a network element (4); storing the information concerning the function as additional information in the location determined by the network management system (51); providing a response to be transmitted to the network management system with at least one pointer indicating the location where to find the additional information (Objects 2A-2D), the pointer being

an Internet address or the like, which identifies both the location and the necessary protocol; transmitting the response to the network management system (1); receiving a request for the additional information in the network management system (7A, 7B, 8A, 8B); and opening the additional information in the location indicated by the pointer (Objects 2A-2D).

13. A method of data transmission to a network management system, comprising the steps of: performing a function relating to network management in a network element; storing the information concerning the function as additional information in the location determined by the network management system; providing a response to be transmitted to the network management system with at least one pointer indicating the location where to find the additional information; transmitting the response to the network management system; receiving a request for the additional information in the network management system; and opening the additional information in the location indicated by the pointer (2A, 2B, 2C, 2D, 5A, 5B, 6, 7A, 7B, 8A, 8B, 9, 10, 4, 7A, 8C; and method steps of fig.1).

14. A network element of a telecommunications network, the network element being capable to be in connection with the network management system of the telecommunications network by transmitting to the network management system at least one response provided with a pointer indicating the location where to find additional information (col.3, line 65-col.5, line 55).

15. A network element of a telecommunications network, the network element being capable to store additional information in a predetermined location and to be in connection with the network management system of the telecommunications network by transmitting to the network management system at least one response provided with a pointer indicating the location where to find the additional information (2A, 2B, 2C, 2D, 5A, 5B, 6, 7A, 7B, 8A, 8B, 9, 10, 4, 7A, 8C; and method steps of fig.1).

16. A network element of a telecommunications network, the network element being capable to store additional information in a predetermined form and to be in connection with the network management system of the telecommunications network by transmitting to the network management system at least one response provided with a pointer indicating the location where to find the additional information (2A, 2B, 2C, 2D, 5A, 5B, 6, 7A, 7B, 8A, 8B, 9, 10, 4, 7A, 8C; and method steps of fig.1).

17. A network management system of a telecommunications network, the network management system being capable to receive responses from network elements of the telecommunications network and to identify a pointer in a response, the pointer indicating where to find additional information (2A, 2B, 2C, 2D, 5A, 5B, 6, 7A, 7B, 8A, 8B, 9, 10, 4, 7A, 8C; and method steps of fig.1).

18. The network management system of claim 17, wherein the network management system is adapted to open the additional information in the location indicated by the pointer in response to a received request for the additional information (5A, 5B, 6, 7A, 7B, 8A, 8B, 9, 10, 4, 7A, 8C).

19. The network management system of claim 17, wherein the network management system is adapted to identify the pointer in the response, if it is an Internet address or the like which identifies both the location and the required protocol (claims 1-6).

20. A network management system of a telecommunications network, the network management system being capable to receive responses from network elements of the telecommunications network; to identify a pointer in a response, the pointer indicating where to find additional information; and to open the additional information in the location indicated by the pointer in response to a received request for the additional information (2A, 2B, 2C, 2D, 5A, 5B, 6, 7A, 7B, 8A, 8B, 9, 10, 4, 7A, 8C; and method steps of fig.1; Applicant's definition of a pointer- a pointer refers to an identification or indicator of the location area of information A pointer can be e.g. an address, algorithm

or code for generating the address, key word, destination or source designator. ¶ [0008])

21. A network management system of a telecommunications network, the network management system being capable to receive responses from network elements of the telecommunications network and to identify a pointer in a response, the pointer indicating where to find additional information if the pointer is an Internet address or the like which identifies both the location and the required protocol (2A, 2B, 2C, 2D, 5A, 5B, 6, 7A, 7B, 8A, 8B, 9, 10, 4, 7A, 8C; and method steps of fig.1).

22, 23 wherein the computer program code means stored on a computer readable medium, wherein the computer program product comprises a routine for performing the function of a network elements (it is inherent the computer program product comprises a routine for performing the function of a network elements)

Response to Arguments

4. Applicant's arguments filed 2/8/2005 have been fully considered but they are not persuasive.

Applicant argues that the prior art reference, Sakano, fails to disclose "a method of data transmission to a network management system, comprising providing a response or alarm to be transmitted to the network management system with at least one pointer indicating the location where to find additional information; and transmitting the response or alarm to the network management system." In contrary, Sakano discloses "a network management system for storing a plurality of alarm information in

an alarm code form and managing them. The alarm information is generated from each one of the objects, which are to be managed" – col.1, lines 5-10; "Detailed information storage program of agents stores into detailed information files detailed information contained in alarm information transmitted from objects; alarm information coding program of a manager converts alarm information into alarm codes; and state management program stores the alarm codes into a state management area." – abstract. Objects 2A, 2B, 2C, and 2D are pointers indicating the location where to find additional information. See figs. 1 and 7A-7G.

Applicant further argues that Sakano fails to disclose "a telecommunications network, the network element and being capable to be in connection with the network management system of the telecommunication network by transmitting to the network management system at least one response provided with a pointer indicating the location where to find additional information." In contrary, Sakano discloses a telecommunication network (3), the network element and being capable to be in connection with the network management system (1) of the telecommunication network by transmitting to the network management system at least one response (4) provided with a pointer (2A, 2B, 2C, 2D) indicating the location where to find additional information.

Applicant argues that Sakano fails to disclose "where detail information is maintained in the objects without having to transmit that detail information to thenetwork management system". However, Sakano clearly teaches this limitation incol.5, lines 48-

50, "The agent 5A receives alarm information of failure content code A from object 2A (step S1). The detailed information storage program 51 prepares a hash key consisting of the failure object code and the failure content code in the alarm information, adds to the prepared hash key the failure object code and detailed information in the alarm information, and saves them into the detailed information file 7 (step S2)."

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey C. Pwu whose telephone number is 571-272-6798. The examiner can normally be reached on 7:00-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

June 9, 2005

JEFFREY PWU
PRIMARY EXAMINER